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Contribution to the knowledge of Carabidae fauna of Turkey. Part 7: Pterostichini (Coleoptera, Carabidae, Pterostichinae)

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A b s t r a c t : This study is based upon material of the tribus Pterostichini collected from different localities of Turkey between 1972 and 2006. In this study, 15 species and subspecies belonged to two genera in the tribus Pterostichini were recorded. In addition, new localities have been found for some species which have already been reported in Turkey.

K e y w o r d s : Coleoptera, Carabidae, Pterostichinae, Pterostichini, Fauna, Turkey.

Introduction

The first part of the Carabidae fauna of Turkey covered the tribus Harpalini (KESDEK & YILDIRIM 2003), the second part of the tribus Platynini (KESDEK & YILDIRIM 2004), the third part of the tribus Bembidiini (KESDEK & YILDIRIM 2007), the fourth part of the tribe Dryptini, Lebiini and Zuphiini (KESDEK & YILDIRIM 2007), the fifth part of the tribus Brachinini (KESDEK & YILDIRIM 2007), the sixth part of the tribe Notiophilini and Platynini (KESDEK & YILDIRIM 2007), the seventh part includes the tribus Pterostichini of Turkey. The information related to the material and literature references were given in the first part. Provinces of the collected species are given in alphabetical order in the following list. The material is deposited in the Entomology Museum, Erzurum, Turkey (EMET).

Results

In this study, 15 species and subspecies of two genera belonged to the tribus Pterostichini of subfamily Pterostichinae of the family Carabidae were recorded from Turkey.

Tribus Pterostichini

Genus *P o e c i l u s* BONELLI 1810

***Poecilus (Angoleus) pertusus* (SCHAUM 1858)**

M a t e r i a l e x a m i n e d : Erzurum: Köprüköy, 2 km East, 1750 m, 27.V.2004, ♀.

***Poecilus (Angoleus) puncticollis* (DEJEAN 1828)**

Material examined: Erzurum: Tekederesi, 1950 m, 26.VI.2005, ♀; Köprüköy, Güzelhisar, 1825 m, 26.X.2005, ♀; Pasinler, 2.VII.1983, ♂; Tortum, 1750 m, 6.VI.1988, ♂.

***Poecilus (s.str.) anatolicus* (CHAUDOIR 1850)**

Material examined: Ardahan: Çamlıçatak, 1910 m, 15.X.2005, 7♂♂, 11♀♀; Göle, Türkeşin, 1915 m, 15.X.2005, ♀; Posof, Ilgar Plateau, 2340 m, 18.VIII.2004, 3♂♂, 2♀♀; 15.X.2005, ♂. Erzurum: Horasan, 5 km West, 1900 m, 18.V.2005, ♀; Karagöbek, 1950 m, 28.VI.2000, ♀; Tortum, 1750 m, 19.IX.1972, ♂, ♀. Iğdır: Tuzluca, Çincevat, 1050 m, 16.V.2005, ♀; 17.V.2005, ♂; Gaziler, 1020 m, 6.V.2005, 3♂♂, 5♀♀. Kars: Sarıkamış, 10 km East, 1860, 16.V.2005, ♀; Akkurt, 1250 m, 16.V.2005, ♂, ♀; Çatak, 1940 m, 16.X.2005, ♂, 4♀♀, Yenigazi, 1920 m, 16.X.2005, 6♂♂, 4♀♀.

***Poecilus (s.str.) cupreus* (LINNAEUS 1758)**

Material examined: Ardahan: 20.V.1972, 2♂♂, 3♀♀; Çamlıçatak, 3 km East, 1915 m, 15.X.2005, ♂, 2♀♀; Göle, Türkeşin, 1915 m, 15.X.2005, ♀. Erzincan: Refahiye, Alacaathı, 1750 m, 26.V.2005, 2♂♂. Erzurum: Dadaşköy, 1750 m, 8.VI.2005, ♂; 30.VI.2005, ♀; 14.VII.2004, ♀; 18.VIII.2004, 2♂♂, 3♀♀; University field, 29.V.2000, ♂, 3♀♀; Aşkale, 2 km Southeast, 1970 m, 30.IV.2005, ♀; Kop Pass, 2300 m, 13.VII.2005, ♂, 3♀♀; 15.IX.2005, ♂, 2♀♀; 14.X.2004, ♀; Pınakapan, 1920 m, 15.IX.2005, ♂; 14.X.2004, 2♂♂; Örtabağçe, 1790 m, 1.IX.2004, 2♀♀; Çat, 2 km Northeast, 12.IV.2002, ♂, ♀; Oltu, 1350 m, 8.V.2006, ♀; Pasinler, 1780 m, 2.VI.1993, ♀; Hamamderesi, 1800 m, 20.IV.2005, ♂; 7.X.2004, ♂, 2♀♀; Pazaryolu, Akbulut, 3.VII.1997, ♀; 23 km South, 1930 m, 14.X.2004, ♂, ♀; 21.X.2004, 2♂♂; Tortum, 1750 m, 10.IX.1972, ♂; Uzundere, Yayla Pass, 2350 m, 18.VII.2004, ♂. Iğdır: Tuzluca, Gaziler, 1100 m, 17.V.2005, ♀. Kars: Sarıkamış, Çatak, 1940 m, 16.X.2005, ♀; Karaorgan, 1850 m, 2.VI.2006, ♂; Yeniköy, 1870 m, 26.IX.2000, ♂.

***Poecilus (s.str.) cursorius gotschi* (CHAUDOIR 1846)**

Material examined: Erzurum: Karayazı, Yeniköy, 1820 m, 26.X.2005, ♀. Kars: Sarıkamış, 10 km East, 1360 m, 7.X.2005, ♂; Çatak, 1940 m, 16.X.2005, 2♂♂, ♀; Yenigazi, 1920 m, 16.X.2005, ♂.

Genus *Pterostichus* BONELLI 1810***Pterostichus (Adelosia) macra* (MARSHAM 1802)**

Material examined: Ardahan: 20.V.1972, ♂; Göle, Türkeşin, 1915 m, 15.X.2005, ♀. Erzurum: Çat, 2 km Northeast, 12.IV.2002, ♂, ♀; Yukarıçat, 21.V.2004, 2♂♂, ♀; Ilıca, Atlıkonak, 1950 m, 11.VI.2000, ♂, ♀; Yoncalık, 1730 m, 21.X.2004, ♂, ♀; Tortum, 1750 m, 10.IX.1972, ♂; 16 km Southeast, 1950 m, 14.VI.1998, ♀; 28.VI.2000, ♀.

***Pterostichus (Argutor) vernalis* (PANZER 1796)**

Material examined: Artvin: Genya Mountain, 1782 m, 10.VI.2005, ♂. Erzurum: Tekederesi, 1950 m, 26.VI.2005, ♂; Palandöken, 2100 m, 19.V.2005, ♀; Çat, Çirişli Pass, 2100 m, 13.X.2005, ♂.

***Pterostichus (Melanius) anthracinum* (ILLIGER 1798)**

M a t e r i a l e x a m i n e d : Ardahan: Göle, Türkeşin, 1970 m, 25.VII.2005, ♀. Erzurum: Aşkale, 2 km Southeast, 1970 m, 30.IV.2006, ♂, 2♀ ♀; 1920 m, 14.X.2004, ♀; Ortabahçe, 1890 m, 19.IX.2005, 3♂ ♂, 2♀ ♀; Karayazı, Yücelik, 1870 m, 26.X.2005, 2♂ ♂, ♀. Kars: 5 km South, 1775 m, 7.X.2005, ♂; Sarıkamış, Yeniköy, 2250 m, 12.X.2005, 2♂ ♂, 7♀ ♀.

***Pterostichus (Melanius) nigrita* (PAYKULL 1790)**

M a t e r i a l e x a m i n e d : Ardahan: Göle, 20 km West, 1900 m, 11.VI.2005, ♂; Türkeşin, 1915 m, 15.X.2005, ♂; Posof, Ilgar Plateau, 2340 m, 25.VII.2005, ♂, 2♀ ♀; 18.VIII.2004, ♂, ♀. Artvin: Genya Mountain, 1575 m, 2.VII.2004, ♂, ♀; Kafkasör, 1655 m, 10.VI.2005, ♂, ♀; Şavşat, 1300 m, 19.VIII.2004, ♀. Erzurum: Dadaşköy, 1800 m, 5.VI.2005, ♂; Palandöken Mountain, 1960 m, 7.VII.2005, ♂, ♀; Aşkale, 2 km Southeast, 1970 m, 30.IV.2006, 2♀ ♀; Kop Pass, 2300 m, 14.X.2004, 2♂ ♂, ♀; Ortabahçe, 1790 m, 1.IX.2004, 2♀ ♀; 1890 m, 19.IX.2005, 6♂ ♂, 4♀ ♀; Pırnakapan, 1800 m, 27.V.2002, ♀; Ilica, Çamlık, 1750 m, 8.VIII.2004, ♂; Yoncalık, 1730 m, 21.X.2004, ♀; Karayazı, Karaağıl, 1875 m, 26.X.2005, 2♂ ♂, 7♀ ♀; Yeniköy, 1820 m, 26.X.2005, ♂, 3♀ ♀; Yücelik, 1870 m, 26.X.2005, 3♂ ♂, 4♀ ♀; Pasinler, Hamamderesi, 1800 m, 26.V.2005, 2♂ ♂, 2♀ ♀; 7.X.2004, ♂; Pazaryolu, 20 km Southeast, 1930 m, 14.X.2004, ♂, ♀; 21.X.2004, ♂, ♀; Şenkaya, Çatalelma, 2200 m, 26.IX.2000, ♂, ♀; Sındıran, 2100 m, 26.IX.2000, ♀. Kars: Sarıkamış, Yeniköy, 2250 m, 12.X.2005, ♂, 4♀ ♀; 1920 m, 16.X.2005, ♀.

***Pterostichus (Morphnosoma) cardioderum* (CHAUDOIR 1846)**

M a t e r i a l e x a m i n e d : Iğdır: Tuzluca, Çincevat, 1050 m, 17.V.2005, 2♂ ♂, 3♀ ♀. Kars: Digor, Halıkışla, 1000 m, 4.VI.2004, ♂, 3♀ ♀.

***Pterostichus (Pediuss) inquinatus* (STURM 1824)**

M a t e r i a l e x a m i n e d : Erzurum: Çat, Yavi, 1850 m, 21.V.2005, ♂.

***Pterostichus (Phonias) strenuus* (PANZER 1797)**

M a t e r i a l e x a m i n e d : Artvin: Genya Mountain, 1780 m, 10.VI.2005, ♂, 2♀ ♀. Erzurum: Pazaryolu, 23 km Southeast, 1930 m, 14.X.2004, ♀; Şenkaya, Çakırbaba Pass, 2450 m, 12.VII.2005, ♂.

***Pterostichus (Platysma) nigrum* (SCHALLER 1783)**

M a t e r i a l e x a m i n e d : Erzurum: Olur, Yeşilbağlar, 1100 m, 24.X.2002, ♀; Tortum, Esendurak, 1150 m, 10.VIII.2004, 3♂ ♂, 2♀ ♀. Iğdır: Gaziler, 1020 m, 16.V.2005, 3♂ ♂, 2♀ ♀; Tuzluca, Çincevat, 1050 m, 16.V.2005, 3♂ ♂, 2♀ ♀. Kars: Halıkışla, 1000 m, 4.VI.2004, ♂.

***Pterostichus (s.str.) schoenherri* (FALDERMANN 1861)**

M a t e r i a l e x a m i n e d : Ardahan: Posof, Ilgar Pass, 25.VII.2005, ♀. Artvin: Atilla Valley, 1970 m, 5.VI.2006, ♂.

***Pterostichus (s.str.) tamsi* DEJEAN 1831**

M a t e r i a l e x a m i n e d : Ardahan: Çamlıçatak, 1920 m, 25.VII.2005, ♂; Posof, Ilgar Plateau, 2130 m, 25.VII.2005, ♂.

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Zusammenfassung

Vorliegende Studie behandelt türkisches Material der Tribus Pterostichini, welches im Zeitraum 1972 bis 2006 aufgesammelt wurde. Insgesamt wurden 15 Arten bzw. Unterarten aus zwei Gattungen nachgewiesen.

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